

Title (en)
SECURITY ELEMENT COMPRISING A MASKING STRUCTURE CONTAINING A MIXTURE OF NANOMETRIC FILLERS

Title (de)
SICHERHEITSELEMENT MIT EINER MASKIERUNGSSTRUKTUR MIT EINER MISCHUNG AUS NANOMETRISCHEN FÜLLSTOFFEN

Title (fr)
ELEMENT DE SECURITE COMPORTANT UNE STRUCTURE DE MASQUAGE CONTENANT UN MELANGE DE CHARGES NANOMETRIQUES

Publication
EP 2984227 A1 20160217 (FR)

Application
EP 14721533 A 20140410

Priority
• FR 1353252 A 20130411
• IB 2014060625 W 20140410

Abstract (en)
[origin: WO2014167527A1] The present invention relates to a security element, preferably a security wire, for a secure document, comprising: a masking structure (13) for reducing the visibility of a surface of the element when the latter is located inside the document or on the surface thereof, the masking structure comprising a mixture of at least two nanometric fillers.

IPC 8 full level
D21H 17/67 (2006.01); **B42D 15/00** (2006.01); **D21H 21/44** (2006.01); **D21H 21/48** (2006.01); **D21H 21/52** (2006.01)

CPC (source: EP US)
B42D 25/355 (2014.10 - EP US); **B42D 25/378** (2014.10 - EP US); **D21H 17/67** (2013.01 - EP US); **D21H 21/44** (2013.01 - EP US); **D21H 21/48** (2013.01 - EP US); **D21H 21/52** (2013.01 - EP US)

Citation (search report)
See references of WO 2014167527A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
WO 2014167527 A1 20141016; CN 105308240 A 20160203; CN 105308240 B 20190405; EP 2984227 A1 20160217; EP 2984227 B1 20180214; FR 3004471 A1 20141017; FR 3004471 B1 20151023; US 10328738 B2 20190625; US 2016059611 A1 20160303

DOCDB simple family (application)
IB 2014060625 W 20140410; CN 201480033261 A 20140410; EP 14721533 A 20140410; FR 1353252 A 20130411; US 201414783868 A 20140410